

**CAPITAL IMPROVEMENT PLAN**

Revised July 2, 2013

	PROJECT NAME	1-5 YEARS SHORT TERM	5-10 YEARS LONG	REMARKS
1	Rehabilitation of sanitary sewer main identified.	<b>\$26,250.00 Completed</b>		350 'L.F. of 8" storm sewer main rehabilitation with slip lining process known as insituform.
2	Sanitary Sewer main replacement Cascade Drive	<b>\$45,000.00 Completed</b>		125 L.F. of 8" Sanitary Sewer main replacement along with 2 new man holes
3	Cochise Drive water main improvement project Phase 1 Completed Phase 11	\$225,000.00  Bal \$175,500.00 <b>\$49,500.00 Completed</b>		2250' L.F. of 8"Dia. Water main 22 services, 5 hydrants and 2 valves/vaults. Existing water main has 21 water breaks along this particular section of pipeline. Approx. 1300' L.F. of 8" pipe to be replaced in Phase 11 of replacement program.
4	Replace 1989 310C4WD John Deere tractor split cost three ways; Water/Sewer/Public	<b>\$65,000.00 Completed</b>		Cab is seriously rusting through floor and sides. Unit reaching 13 years old and continues to require maintenance. Suggest replacement, new or used, financing or purchase, MFT funds can be utilized. Trade in value@ \$13,500.
5	Interconnection to L.H.S.D. along Plainfeild Road	\$25,000.00		Install 175' of 8" Diam water main and two valve/vaults. Strengthen Distribution system. Cook County Highway Dept. paving and timing is sensitive
6	Village Wide Water Meter Replacement Progam	\$270,000.00		900 water meters equipped for AMR along with computer equiptment & software. Current water meters quickly approaching 20 year anniversary. Recommend updating system for automated meter reading via radio frequency.
7	500,000 gallon underground reservoir interior rehabilitation	\$75,000.00		Structure may require minor remediation work to repair spalling on inside ceiling of tank.
8	Install emergency generator for entire pump house facility	\$100,000.00		Installation of a 150 KW generator inside enclosed building structure to match existing pump house facility.
9	Replacement vehicle for Water Department	<b>\$40,000.00 Completed</b>		Replace existing vehicle currently reaching ten years old. Purchase new one ton full sized diesel van.

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10	Blackhawk Trail water main improvement project		\$594,000.00	4400' L.F. of 8" Dia. Water main 54 services, 10 hydrants, 4 valves and vaults included. Special emphasis to identify hot soils to minimize pipeline corrosion. Soil cores will be necessary.
11	Insituform line in sanitary sewer main that flows	\$100,000.00		Sanitary sewer main runs underneath detention pond and infiltration and inflow is suspected. 16"sanitary/sewer main
12	Eastgate water main		\$87,750.00	650' L.F. of 8" Dia Water main, 1 hydrant, 2 valves and vaults
13	Buttonwood Court water main improvement project		\$20,625.00	165' L.F. of 6' water main 10 services, 1 hydrant and 1 valve and vault. Existing 4" water main has several breaks on line- requires changing.
14	Exterior rehabilitation of 500,000 gallon		\$75,000.00	Remove existing two lifts of asphalt and waterproof membrane seal. Replace with new impenetrable water tight seal and new lift of asphalt.
15	Sanitary sewer collection system televising		\$50,000.00 (19,250.00 1 year)	Return to a 10 year cycle @ 7700 L.F. of televising per year Annual min. cost 19,250.00
16	Sanitary sewer manhole rehabilitation project	\$15,000.00		Evaluate at least 40 manholes per year to coincide with televising program. Approx. 400 manholes in entire system. Repair (10) units @ 1500.00 each.
17	Well number 2 Wolf Road and Acacia Drive electrical improvements	<b>\$25,000.00 Completed-pulled out and sealed</b>		Replace existing meter cabinet with brick enclosure. Install manual transfer switch for Auxillary generating capabilities.
18	Laptop computer for Sanitary and water Department	\$7,000.00		For use in field to measure sanitary sewer flows and water pressure monitoring data. Villages's measuring equipment known as Flo-Tote.
19	Fire Hydrant painting		\$20,000.00	Sandblast and paint 200 fire hydrants in water distribution system. Summer help can work on this over (2) years.
20	Drainage improvement surrounding existing 500,000 gallon	\$20,000.00		Improve drainage to direct storm surface water away from structure and into storm sewer collection system.

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21	Pump house interior painting		20,000.00	Interior piping system showing signs of corrosion, i.e. peeling paint, etc.
22	Tecumseth Lane and Pontiac Water Main Project		121,500.00	900' of 6" watermain to be replaced due to number of breaks and excessive corrosion on pipeline system. 2 valves and 3 fire hydrants to be replaced.
23	Pumphouse roof and soffit replacement	17,500.00		Replace existing roof with new architecture shingles along with ice and water shield. Replace soffit with new cedar and stain according.
24	Well No.3 Rehabilitation	35,000.00		Capacity of well significantly reduced due to piping corrosion. Pull well and repair casing pipe and pumping bowls. Reset well, and maintain with proper exercising.
25	Reservoir addition		750,000.00	Per IDOT Village is required to have (2) day storage capacity for it's own water system. 500,00 gallons of underground additional storage.
26	Water meter vault corrosion equipment	6,500.00		Anode/Cathodic Protection system for meter vault structure system will help suppress stray electric currents evident in this area.
27	New international Harvester 3 ton dump trucks	185,000.00		Replace (1) 1996 3 ton dump truck with severe corrosion problems. Replace (1) 1999 Ford F-350 1 ton dump with mechanical corrosion problems.
28	Replace (1) F-350 service vehicle	40,000.00		Replace (1) 2002 F-350 1 ton utility pick-up Truck due to age and corrosion issues, recommend lease. Purchase 3-5 years.
29	Replace 1987 John Deere 4200 Series Tractor		40,000.00	Unit is getting old and cab enclosure is severely corroated. Recommend state of Illinois purchase cooperative.
30	Paint interior of Public Works Facility	15,000.00		Original paint job will require new coverage within next few years. Misc. drywall repair and touch-up doors necessary.
31	Enclose storage bins @ Public Works Facility		35,000.00	Original plans call for enclosing storage bins to keep our materials dry and out of the weather elements.

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32	Deisel fuel station @ Public Works Facility	\$20,000.00		Bulk fuel purchase will allow additional savings for the Village.
33	Calcium Chloride pre-wetting system	\$17,500.00		Allows DPW to wet salt with additives to de-ice at lower temperatures. Possible reduction in salt consumption.
34	Exercising 200 main line water system valves.	\$20,000.00		Exercise and operate 200 main line water system valves. Provide maintenance records and log data for future reference.
35	Storm sewer outfall to Flagg Creek	\$200,000.00		Discharge of storm water to Flagg Creek from Village's system will require attention due to erosion damage. Approximately (8) 25K system discharge points.
36	Heritage Center Foundation		\$25,000.00	Tuck point and weather proof perimeter of foundation structure.
37	Village Hall Administative meeting rooom HVAC systems improvement		\$20,000.00	Replace original HVAC systems with new high efficiency units (2) units for meeting room and (1) for administration wing.
38	Heritage Center HVAC system		\$7,000.00	Replace original HVAC system and install air conditioning to help de-humidify building.
39	Villlage street signs		\$22,500.00	Replace Village's street signs over 10 year period. Approx. 150 signs @ \$150.00 per sign.

**Total of 1-5 year short term goals**                      \$1,344,000.00

**Total of 5-10 Year long term goals**                      \$1,888,375.00

**Total cost of completed goals**                      \$250,750.00